

AUTHOR INDEX

VOLUME 54

A

- Adam, L. H., and Dougherty, Marie**
Atmospheric Exposure of Aluminum and Magnesium Sand and Permanent Mold Castings, 270.
- Anderegg, F. O., and Anderegg, J. A.**
Some Observations on Volume Changes in Mortars and Concretes. Scheduled for publication in *ASTM BULLETIN*.
- Anderegg, J. A.**
See Anderegg, F. O., and Anderegg, J. A.
- Anderson, O. E.**
Effect of Elevated Temperature on Silicone Varnished Glass Fabric for Electrical Insulation—Summary of Proceedings of *STP 161*, 1385.
- Anderson, W. W.**
See Fieldner, Arno C., and Anderson, W. W.
- Anderson, W. W., and Sutherland, M. L.**
The Variances of Reduction and Analysis—Summary of Proceedings of *STP 162*, 1384.
- Anson, J. H.**
See Goldie, C. H., Wright, K. A., Anson, J. H., Cloud, R. W., and Trump, J. G.
- Antleman, Marvin**
A Four Piece Steamer. Published in *ASTM BULLETIN*, No. 197, Apr., 66 (TP94).

B

- Baker, Hugh**
Tensile and Creep Properties at Elevated Temperatures of Some Magnesium-Base Wrought Alloys, 1068.
- Barber, E. S.**
Introduction to Symposium on Permeability of Soils—Summary of Proceedings of *STP 163*, 1244.
- Bartlett, R. C.**
Thermal Stability of Insulating Fabrics—Summary of Proceedings of *STP 161*, 1385.
Thermal Stability of Polyvinyl Chloride Insulating Compounds—Summary of Proceedings of *STP 161*, 1385.

Baumelster, Gordon B.

- Production Testing of Bonded Materials with Ultrasonics. Published in *ASTM BULLETIN*, No. 204, Feb., 1955, 50 (TP52).
- Bean, Leonard, and Hackney, Ethel J.**
A Study of Some Operations Involved in Cement Analysis. Published in *ASTM BULLETIN*, No. 197, Apr., 43 (TP71).
- Bean, Leonard, and Tucker, Nancy J.**
A Note on the Oxyquinolate Determination of Magnesium Oxide in Cement. Published in *ASTM BULLETIN*, No. 201, Oct., 62 (TP224).
- Beard, L. C., Jr.**
"Plain Talk" (President's Address). Published in *ASTM BULLETIN*, No. 199, July, 59 (TP137).
Something Has Been Added. Published in *ASTM BULLETIN*, No. 198, May, 51 (TP97).
- Beardsley, C. W.**
See Whiteneck, L. L., Beardsley, C. W., and Wakeman, C. M.
- Beatty, G. H.**
See Snyder, M. J., Lortscher, L. L., and Beatty, G. H.
- Beck, F. H., Greene, N. D., Jr., and Fontana, M. G.**
Electrolytic Etching in Oxalic Acid Used to Screen Cast CF-8 and CF-8M Stainless Steels from the 240-hr Nitric Acid Test. Published in *ASTM BULLETIN*, No. 195, Jan., 68 (TP30).
- Berger, Carl**
The Evaluation of Chemical De-icing Solutions. Published in *ASTM BULLETIN*, No. 197, Apr., 67 (TP95).
- Bertholf, W. M.**
The Development of the Theoretical Basis of Coal Sampling—Summary of Proceedings of *STP 162*, 1384.
- Bertholf, W. M., and Webb, W. L.**
Tests of the Geary-Jennings Sampler at Cabin Creek—Summary of Proceedings of *STP 162*, 1384.

- Bicking, Charles A.**
Observations on the Application of Statistical Techniques to ASTM Standards. Published in ASTM BULLETIN, No. 200, Sept., 48 (TP174).
- Bishop, J. A.**
See Mason, H. G., and Bishop, J. A.
- Blank, A. I.**
See Port, J. H., and Blank, A. I.
- Blatter, A. O.**
A Test on a Slotted Revolving Cylinder Coal Sampler—Summary of Proceedings of STP 162, 1384.
- Brightwell, E. P.**
An Instrument for Measuring the Chip Resistance of Paints. Published in ASTM BULLETIN, No. 200, Sept., 53 (TP179).
- Brown, L. S.**
Some Observations on the Mechanics of Alkali-Aggregate Reaction. Published in ASTM BULLETIN, No. 205, Apr., 1955, 40 (TP66).
- Brown, P. P.**
See Palmer, L. A., and Brown, P. P.
- Brown, W. F., Jr.**
Discussion, 1353.
- Burmister, Donald M.**
Principles of Permeability Testing of Soils—Summary of Proceedings of STP 163, 1244.
- Bundy, R. W., and Marin, Joseph**
Fatigue Strength of 14S-T4 Aluminum Alloy Subjected to Biaxial Stresses, 755. Disc., 768.
- Burns, Robert**
A New Impact Machine for Plastics and Insulating Materials. Published in ASTM BULLETIN, No. 195, Jan., 61 (TP23).
- C**
- Carl, Robert A., and Wegeng, Thomas J.**
Investigations Concerning the Fatigue of Aircraft Structures, 903. Disc., 926.
- Carpenter, C. A.**
Discussion, 1256.
- Caughey, R. H., and Hoyt, W. B.**
Effects of Cyclic Overloads on the Creep Rates and Rupture Life of Inconel at 1700 and 1800 F—Summary of Proceedings of STP 165, 700.
- Chang, Chiao-Lin**
See Romualdi, James P., Chang, Chiao-Lin, and Peck, Charles F., Jr.
- Chu, T. Y., Davidson, D. T., and Wickstrom, A. E.**
Permeability Test for Sands—Summary of Proceedings of STP 163, 1244.
- Clark, M. E., and Sidebottom, O. M.**
An Inexpensive Constant-Load Testing Machine. Published in ASTM BULLETIN, No. 203, Jan., 1955, 69 (TP29). Disc., 72 (TP32).
- Cloud, R. W.**
See Goldie, C. H., Wright, K. A., Anson, J. H., Cloud, R. W., and Trump, J. G.
- Cochran, W. G.**
The Purpose of Experimental Design—Summary of Proceedings of Symposium on Design of Experiments, 1387.
- Coffin, L. F., Jr.**
The Problem of Thermal Stress Fatigue in Austenitic Steels at Elevated Temperatures—Summary of Proceedings of STP 165, 700.
Discussion, 714, 767, 783.
- Cogliano, Joseph A.**
See Jessup, Ralph S., and Cogliano, Joseph A.
- Conant, F. S.**
A Study of Stiffness Testing of Elastomers at Low Temperatures. Published in ASTM BULLETIN, No. 199, July, 67 (TP145).
- Cook, E. G., and VanValkenburg, H. E.**
Surface Waves at Ultrasonic Frequencies. Published in ASTM BULLETIN, No. 198, May, 81 (TP127).
- Cornell, Robert W.**
Discussion, 868.
- Corten, H. T., Dimoff, T., and Dolan, T. J.**
An Appraisal of the Prot Method of Fatigue Testing, 875. Disc., 900.
- Corten, H. T., Sinclair, G. M., and Dolan, T. J.**
An Experimental Study of the Influence of Fluctuating Stress Amplitude on Fatigue Life of 75S-T6 Aluminum, 737. Disc., 754.
- Coryell, R. L., Schwerd, F. J., and Parente, E. J.**
Tests of Accuracy of a Mechanical Coal Sampler—Summary of Proceedings of STP 162, 1384.
- Criscuolo, E. L.**
See O'Connor, D. T., and Criscuolo, E. L.
- Criscuolo, E. L., and O'Connor, D. T.**
Flash X-Ray Studies of Fuze Performance. Published in special reprint only.

- Cross, Howard C.**
See Simmons, Ward F., and Cross, Howard C.
- Culp, Elmer J.**
Discussion. Published in *ASTM BULLETIN*, No. 202, Dec., 71 (TP257).
- Cummings, H. N.**
See Stulen, F. B., and Cummings, H. N.
- Currin, C. G.**
See Plettner, R. M., and Currin, C. G.
- D**
- D'Appolonia, E.**
See Romualdi, J. P., and D'Appolonia, E.
- Davidson, D. T.**
See Chu, T. Y., Davidson, D. T., and Wickstrom, A. E.
- Davieau, L. A.**
See Dickson, J. B., and Davieau, L. A.
- Davis, Rees B.**
See Gould, Wilbur A., Davis, Rees B., and Mavis, James O.
- Day, Besse B., and Del Priori, F. R.**
An Engineering Application of Experimental Design—Summary of Proceedings of Symposium on Design of Experiments, 1387.
- Decker, George E.**
Note on the Adjustment of Mooney Viscometer Die Closure. Published in *ASTM BULLETIN*, No. 195, Jan., 51 (TP13).
- Decker, George E., and Stiehler, Robert D.**
Temperature Measurements in the Mooney Viscometer. Published in *ASTM BULLETIN*, No. 195, Jan., 45 (TP7).
- Deininger, Nicholas, and McKinley, Russell W.**
The Design, Construction, and Use of an Odor Test Room—Summary of Proceedings of *STP 164*, 1383.
- Deltz, Victor R.**
Discussion. Published in *ASTM BULLETIN*, No. 201, Oct., 48 (TP201); No. 202, Dec., 71 (TP257).
- Del Priori, F. R.**
See Day, Besse B., and Del Priori, F. R.
- DeMoney, F. W., and Lazan, B. J.**
Dynamic Creep and Rupture Properties of an Aluminum Alloy Under Axial Static and Fatigue Stress, 769. Disc., 783.
- Diaz, R. B., Paitchel, H., and Woodhead, J. A.**
Need for a Standardized Procedure for Measuring Reflectance of Detergency Fabrics. Published in *ASTM BULLETIN*, No. 202, Dec., 56 (TP242).
- Dickson, J. B., and Davieau, L. A.**
Impact Tester for Textiles. Published in *ASTM BULLETIN*, No. 198, May, 85 (TP131).
- Dietz, A. G. H.**
Discussion, 1329, 1353.
- Dickinson, C. Dale**
Discussion, 989.
- Dimoff, T.**
See Corten, H. T., Dimoff, T., and Dolan, T. J.
- Dodge, Harold F.**
Interpretation of Engineering Data: Some Observations, 603.
- Dolan, T. J.**
See Corten, H. T., Dimoff, T., and Dolan, T. J.
See Corten, H. T., Sinclair, G. M., and Dolan, T. J.
Discussion, 713, 734, 783, 819.
- Donahue, R. W.**
Correlation of Induction Tests with Motor Fuel Stability. Published in *ASTM BULLETIN*, No. 200, Sept., 61 (TP187).
- Dorn, John E., and Shepard, Lawrence A.**
What We Need to Know About Creep—Summary of Proceedings of *STP 165*, 700.
- Dougherty, Marie**
See Adam, L. H., and Dougherty, Marie.
- Dowdell, Ralph L., and Mackay, William B. F.**
Tension Specimens Made by Photoengraving Technique. Published in *ASTM BULLETIN*, No. 201, Oct., 65 (TP227).
- Duvall, W. A.**
Technical Problems Associated with Diesel Fuels in Interstate Coach Operation—Summary of Proceedings of *STP 167*, 1386.
- E**
- Eaton, Ian D.**
Discussion, 865.
- Ehrlich, Paul**
See Scott, A. H., Ehrlich, Paul, and Richardson, J. F.
- Eiselstein, H. L., and Skinner, E. N.**
The Effect of Composition on the Scaling of Fe-Cr-Ni Alloys Subjected to Cyclic Temperature Conditions—Summary of Proceedings of *STP 165*, 700.
- Eney, W. J.**
See Roesli, A., Loewer, A. C., and Eney, W. J.
- Enomoto, N.**
On Fatigue Tests Under Progressive Stress, a Theory of Fatigue of Metals and a Quick Method for Determining the Fatigue Limit. Scheduled for publication in 1955 *ASTM Proceedings*.

Ericksen, W. S.

Analysis of Stresses Induced by a Sandwich Proof Tester. Published in *ASTM BULLETIN*, No. 199, July, 80 (TP158).

F**Field, Robert F.**

Errors Occurring in the Measurement of Dielectric Constant, 456.

Errors Occurring in the Measurement of Dielectric Constant (Abstract). Published in *ASTM BULLETIN*, No. 201, Oct., 30.

Fieldner, Arno C. and Anderson, W. W.

Introduction to Symposium on Coal Sampling—Summary of Proceedings of *STP 162*, 1384.

Findley, William N.

Effect of Crystallinity and Crazing, Aging, and Residual Stress on Creep of Monochlorotri-fluoroethylene, Canvas Laminate, and Poly-vinyl Chloride, Respectively, 1307.

Experiments in Fatigue Under Ranges of Stress in Torsion and Axial Load from Tension to Extreme Compression, 836. Disc., 849.

Discussion, 1329.

Fitzgerald, W.

Discussion. Published in *ASTM BULLETIN*, No. 200, Sept., 55 (TP181).

Fontana, M. G.

See Beck, F. H., Greene, N. D., Jr., and Fontana, M. G.

Foreman, R. W.

Discussion. Published in *ASTM BULLETIN*, No. 200, Sept., 55 (TP181)

Frazier, R. H.

Discussion, 937.

Freeman, J. W.

See Rush, A. L., and Freeman, J. W.
Discussion, 989.

Frey, D. N.

Introduction to Symposium on Effect of Cyclic Heating and Stressing on Metals at Elevated Temperatures—Summary of Proceedings of *STP 165*, 700.

Summary to Symposium on Effect of Cyclic Heating and Stressing on Metals at Elevated Temperatures—Summary of Proceedings of *STP 165*, 700.

Fricke, W. G., Jr.

See Hunter, M. S., and Fricke, W. G., Jr.

G**Gee, A. Haldane**

Organoleptic Appraisal of Three-Component Mixtures—Summary of Proceedings of *STP 164*, 1383.

Gohn, G. R.

Discussion, 713, 753, 816, 848.

Gohn, G. R., Guerard, J. P., and Herbert, G. J.

The Mechanical Properties of Some Nickel Silver Alloy Strips, 229.

Goldberg, D. C., and Lombardo, J. J.

Elevated-Temperature Fatigue Properties of Several High-Temperature Sheet Materials, 325.

Goldfein, S.

Time-Temperature Relationship for Rupture Stresses in Reinforced Plastics, 1344. Disc., 1357.

Goldie, C. H., Wright, K. A., Anson, J. H., Cloud, R. W., and Trump, J. G.

Radiographic Properties of X-Rays in the Two- to Six-Million-Volt Range. Published in *ASTM BULLETIN*, No. 201, Oct., 49 (TP211).

Gordon, S. A.

Discussion, 926.

Gould, Wilbur A.

Discussion. Published in *ASTM BULLETIN*, No. 202, Dec., 71 (TP257).

Gould, Wilbur A., Davis, Rees B., and Mavis, James O.

Color Grading Agricultural Products—Symposium on Color of Transparent and Translucent Products. Published in *ASTM BULLETIN*, No. 202, Dec., 61 (TP247); see also Summary of Proceedings, 1387.

Green, A. W. F.

Specifications from the Consumer Viewpoint. Published in *ASTM BULLETIN*, No. 203, Jan., 1955, 43 (TP3).

Green, A. W. F., Lampson, K., and Tsareff, T.

Thermal Shock Testing Under Stress of Certain High-Temperature Alloys. Scheduled for publication in 1955 *ASTM Proceedings*.

Greene, N. D., Jr.

See Beck, F. H., Greene, N. D., Jr., and Fontana, M. G.

Greenfield, Sidney H.

Discussion. Published in *ASTM BULLETIN*, No. 199, July, 61 (TP139).

Griffin, Donald F.

Study and Development of Methods for Determining In-Place Densities of Cohesionless Soils, 1270.

Griffis, C. B.

See Sinclair, James J., and Griffis, C. B.

Grube, W. L.

Discussion, 589.

- Gruber, C. W.**
Odor Pollution from an Official's Viewpoint—
Summary of Proceedings of *STP 164*, 1383.
- Guarnieri, G. J.**
The Creep-Rupture Properties of Aircraft
Sheet Alloys Subjected to Intermittent
Load and Temperature—Summary of Pro-
ceedings of *STP 165*, 700.
- Guerard, J. P.**
See Gohn, G. R., Guerard, J. P., and Herbert,
G. J.
- H**
- Habermann, C. E.**
Diesel Fuels in Marine Operations—Summary
of Proceedings of *STP 167*, 1386.
- Hackney, Ethel J.**
See Bean, Leonard, and Hackney, Ethel J.
- Hafemeister, Robert N.**
The Ultrasonic Testing of Forging Ingots.
Published in *ASTM BULLETIN*, No. 197,
Apr., 52 (TP80).
- Hamer, J. P., Tutwiler, T. S., and Weisel,
C. A.**
Lubricating Oil Requirements of the Modern
Automotive Engine—Symposium on Engine
Lubrication. Published in *ASTM BUL-
LETIN*, No. 198, May, 70 (TP116). Disc.,
77 (TP123).
- Hammond, Harry K., III**
See Newman, Sanford B., Hammond, Harry
K., III, and Riddell, Helen F.
- Hancock, H. M., and Watt, J. J.**
The Determination of the Color of Petroleum
Products—Symposium on Color of Trans-
parent and Translucent Products. Pub-
lished in *ASTM BULLETIN*, No. 201, Oct.,
31 (TP193); see also Summary of Proceed-
ings, 1387.
- Hand, W.**
See Winans, R. R., and Hand, W.
- Haroldson, A. H.**
Test Methods for Studying Thermal Stability
and Heat Aging of Electrical Insulating Var-
nishes—Summary of Proceedings of *STP*
161, 1385.
- Hartbower, Carl E.**
Poisson Effect in the Charpy Test, 929.
Disc., 938.
- Hazen, Thomas**
Dielectric Measurements on Plastics at High
Temperatures—Summary of Proceedings of
STP 161, 1385.
- Heger, J. J., Hodge, J. M., and Marshall,
P. W.**
Effect of Microstructure on the Elevated-
Temperature Strength of Alloy Steel, 1003.
- Heinen, C. M.**
Discussion. Published in *ASTM BULLETIN*,
No. 198, May, 63 (TP109).
- Herbert, G. J.**
See Gohn, G. R., Guerard, J. P., and Herbert,
G. J.
- Herron, Lewis F.**
Discussion. Published in *ASTM BULLETIN*,
No. 203, Jan., 1955, 72 (TP32).
- Heyer, Otto C.**
See Luxford, R. F., and Heyer, Otto C.
- Hodge, J. M.**
See Heger, J. J., Hodge, J. M., and Marshall,
P. W.
- Hogan, M. B.**
Discussion, 1330.
- Horne, E. L.**
Discussion, 1353.
- Horner, A. C.**
History and Bibliography of Wood Diaphragm
Tests—Summary of Proceedings of *STP*
166, 1245.
- Houston, E. G.**
See Smith, G. V., and Houston, E. G.
- Howe, William A.**
Survey of Diesel Fuel Oils Available at Road-
side Filling Stations—Summary of Proceed-
ings of *STP 167*, 1386.
- Hoyt, W. B.**
See Caughey, R. H., and Hoyt, W. B.
- Hunter, M. S., and Fricke, W. G., Jr.**
Metallographic Aspects of Fatigue Behavior of
Aluminum, 717. Disc., 735.
- I**
- Ingle, George W.**
A Color Space for Color Grading Purposes—
Symposium on Color of Transparent and
Translucent Products. Published in *ASTM*
BULLETIN, No. 201, Oct., 36 (TP198).
Disc., 40 (TP202); see also Summary of
Proceedings, 1387.
Introduction to Symposium on Color of
Transparent and Translucent Products.
Published in *ASTM BULLETIN*, No. 201,
Oct., 31 (TP193).
- Irwin, G. R.**
Discussion, 953.
- J**
- Jackowski, R.**
Discussion, 989.
- Jackson, G. W., and Luce, W. A.**
Screening Cast Stainless Steels by Electro-
lytic Etching in Oxalic Acid. Published in
ASTM BULLETIN, No. 195, Jan., 71 (TP33).

Jessup, Ralph S., and Cogliano, Joseph A.
Relation Between Net Heat of Combustion and Aniline-Gravity Product of Aircraft Fuels. Published in *ASTM BULLETIN*, No. 201, Oct., 55 (TP217).

Johnson, A. I.
Selected References on Permeability—Summary of Proceedings of *STP 163*, 1244.

Jones, Chester W.
The Permeability and Settlement of Laboratory Specimens of Sand and Sand-Gravel Mixtures—Summary of Proceedings of *STP 163*, 1244.

Judd, Deane B.
Discussion. Published in *ASTM BULLETIN*, No. 201, Oct., 40 (TP202); No. 202, Dec., 71 (TP257).
Summary—Symposium on Color of Transparent and Translucent Products. Published in *ASTM BULLETIN*, No. 202, Dec., 72 (TP258); see also Summary of Proceedings, 1387.

Junge, Charles H.
Wear in Bearings—Symposium on Engine Lubrication. Published in *ASTM BULLETIN*, No. 198, May, 64 (TP110).

Juve, A. E., and Schoch, M. G., Jr.
The Effect of Temperature on the Air Aging of Rubber Vulcanizates. Published in *ASTM BULLETIN*, No. 195, Jan., 54 (TP16).

K

Keeney, Mark
Color in Dairy Products—Symposium on Color of Transparent and Translucent Products. Published in *ASTM BULLETIN*, No. 202, Dec., 70 (TP256); see also Summary of Proceedings, 1387.

Kesler, Clyde E.
Statistical Relation Between Cylinder, Modified Cube, and Beam Strength of Plain Concrete, 1178. Disc., 1187.

Kies, J. A.
Discussion, 953, 963.

Kiguchi, S. T.
See Myers, H. S., and Kiguchi, S. T.

Kirkham, Don
Measurement of the Hydraulic Conductivity of Soil in Place—Summary of Proceedings of *STP 163*, 1244.

Klute, C. H., and McKee, L. B.
Plastics Testing at High and Low Temperatures. Published in *ASTM BULLETIN*, No. 202, Dec., 50 (TP236).

Kobliska, J. J., and Rodenberger, H. J.
Mechanical Wet Sieve Testing Method. Published in *ASTM BULLETIN*, No. 200, Sept., 46 (TP172).

Krenchel, H.
Treatment of Tension Test Specimens for Fixing in Testing Machine. Published in *ASTM BULLETIN*, No. 200, Sept., 44 (TP170).

Kuhlmann, Harry W.
Discussion, 1353.

L

Labbe, B. G.
A Study of Hardness Testing of Elastomers at Low Temperatures. Published in *ASTM BULLETIN*, No. 199, July, 73 (TP151).

Lakin, W. P.
See Moore, C. C., and Lakin, W. P.

Lambe, T. W.
The Permeability of Compacted Fine Grained Soils—Summary of Proceedings of *STP 163*, 1244.

Lampson, K.
See Green, A. W. F., Lampson, K., and Tsareff, T.

Larson, C. M.
The Availability and Demand Outlook, Distribution, and Principal Properties of Domestic Diesel Fuels—Summary of Proceedings of *STP 167*, 1386.

LaTour, Harry, and Sutton, R. S.
Improved Scale System for Stiffness Testing Machine. Published in *ASTM BULLETIN*, No. 196, Feb., 40 (TP48).

Lawrence, F. I. L.
Discussion. Published in *ASTM BULLETIN*, No. 198, May, 76 (TP122).

Lawrence, William N.
Discussion, 1356.

Lazan, B. J.
See DeMoney, F. W., and Lazan, B. J.
Discussion, 733, 817, 899.

Lessells, J. M.
Discussion, 714, 783.

Liska, J. A.
Summary to Symposium on Methods of Testing Building Constructions—Summary of Proceedings of *STP 166*, 1245.

Loewer, A. C.
See Roesli, A., Loewer, A. C., and Eney, W. J.

Lombardo, J. J.

See Goldberg, D. C., and Lombardo, J. J.

Lortscher, L. L.

See Snyder, M. J., Lortscher, L. L., and Beatty, G. H.

Luce, W. A.

See Jackson, G. W., and Luce, W. A.

Lundgren, R.

See Seed, H. B., and Lundgren, R.

Luxford, R. F., and Heyer, Otto C.

Glued and Nailed Roof Trusses for House Construction—Summary of Proceedings of *STP 166*, 1245.

M**Mackay, William B. F.**

See Dowdell, Ralph L., and Mackay, William B. F.

Majors, Harry

Discussion, 767.

Manjoine, M. J., and Mudge, W. L., Jr.

Creep Properties of Annealed Unalloyed Zirconium, 1050.

Manson, S. S.

Discussion, 1353.

Marin, Joseph, Webber, A. C., and Weissmann, G. F.

Creep-Time Relations for Nylon in Tension, Compression, Bending, and Torsion, 1313. Disc., 1342.

Marin, Joseph

See Bundy, R. W., and Marin, Joseph.
See Wiseman, H. A. B., and Marin, Joseph.

Marshall, D. I.

Measuring Viscosity of Thermosetting Resins by Parallel Plate Plastometry. Published in *ASTM (BULLETIN, No. 204, Feb., 1955, 40 (TP42))*.

Marshall, P. W.

See Heger, J. J., Hodge, J. M., and Marshall, P. W.

Mason, H. G., and Bishop, J. A.

Piles Subjected to Lateral Thrust: Part I—Measurement of Earth Pressure and Deflection Along the Embedded Portion of a 40-ft Steel Pile—*STP 154-A*, 1243.

Mather, Bryant

Discussion, 1159.

Mathes, K. N.

See Morgan, H. I., and Mathes, K. N.
Introduction to Symposium on Temperature Stability of Electrical Insulating Materials—Summary of Proceedings of *STP 161*, 1385.

Mavis, James O.

See Gould, Wilbur A., Davis, Rees B., and Mavis, James O.

McClintock, F. A.

Discussion, 713, 867, 895, 1001.

McBurney, J. W.

Masonry Cracking and Damage Caused by Moisture Expansion of Structural Clay Tile, 1219. Disc., 1241.

McCoy, W. J.

Water for Mixing and Curing Concrete—Summary of Proceedings of *STP 169*, 1242.

McGinnis, R. A.

Color Measurement and Control in the Sugar Industry—Symposium on Color of Transparent and Translucent Products. Published in *ASTM BULLETIN*, No. 201, Oct., 42 (TP204). See also Summary of Proceedings, 1387.

McKee, L. B.

See Klute, C. H., and McKee, L. B.

McKinley, Russell W.

See Deininger, Nicholas, and McKinley, Russell W.

McRae, J. L.

See Ricketts, W. C., Sprague, John C., Tabb, D. D., and McRae, J. L.

Meissner, H. S.

Significance of Tests and Properties of Mineral Admixtures—Summary of Proceedings of *STP 169*, 1242.

Messick, Harold V.

The Increasing Use of Furnace Oils for Diesel Fuel—Summary of Proceedings of *STP 167*, 1386.

Middleton, W. E. K.

Discussion. Published in *ASTM BULLETIN*, No. 201, Oct., 40, 48 (TP210).

Mielenz, Richard C.

Petrographic Examination of Concrete Aggregate, 1188; see also Summary of Proceedings of *STP 169*, 1242.

Miller, James

Effect of Temperature Cycling on the Rupture Strength of Some High-Temperature Alloys—Summary of Proceedings of *STP 165*, 700.

Miller, R. F.

The Strength of Carbon Steels for Elevated-Temperature Applications, 964. Disc., 993.

Minnick, L. John

Investigations Relating to the Use of Fly Ash as a Pozzolanic Material and as an Admixture in Portland-Cement Concrete, 1129. Disc., 1163.

Miskimen, T. A., and Thurston, R. S.

Multilot Sampling—The Accuracies in Sampling of Large Coal Shipments by Application of the Variance Concept—Summary of Proceedings of *STP 162*, 1384.

Modine, N., and O'Connor, D. T.

Radiographic-Micrographic Examination of Aluminum Resistance Weld. Published in special reprint only.

Monk, C. B., Jr.

Transverse Strength of Masonry Walls—Summary of Proceedings of *STP 166*, 1245.

Moore, C. C., and Lakin, W. P.

Distribution and Storage Problems with Diesel Fuels—Summary of Proceedings of *STP 167*, 1386.

Morgan, H. I., and Mathes, K. N.

The Deflected Beam-Film Rupture Test Applied to Sheet Insulation—Summary of Proceedings of *STP 161*, 1385.

Heat Aging Characteristics of Insulating Varnishes—Summary of Proceedings of *STP 161*, 1385.

Mougey, H. C.

Engine Wear as Affected by Lubricant Composition—Symposium on Engine Lubrication. Published in *ASTM BULLETIN*, No. 198, May, 57 (TP103).

Mudge, W. L., Jr.

See Manjoine, M. J., and Mudge, W. L., Jr.

Muhlenbruch, Carl W.

A Tension Impact Test for Sheet Metals. Published in *ASTM BULLETIN*, No. 196, Feb., 43 (TP51). Disc., 49 (TP57).

Myers, H. S., and Kiguchi, S. T.

An Apparatus for Making ASTM-Type Vacuum Distillations. Published in *ASTM BULLETIN*, No. 195, Jan., 39 (TP1).

Myers, W. R.

Analysis for Molybdenum-Bearing Austenitic Stainless Steel Proposed for Experimental Use in Chemical and Process Industries. Published in *ASTM BULLETIN*, No. 201, Oct., 28.

N**Nelson, K. E.**

Tensile and Creep Properties at Elevated Temperatures of Some Magnesium-Base Sand-Casting Alloys, 1081.

Newhall, Sidney

Discussion. Published in *ASTM BULLETIN*, No. 201, Oct., 40 (TP202); No. 202, Dec., 69 (TP255).

Newhouse, D. L.

Discussion, 991.

Newman, Sanford B., Hammond, Harry K., III, and Riddell, Helen F.

Becker Value of Manila Rope by Photoelectric Reflectometry. Published in *ASTM BULLETIN*, No. 199, July, 84 (TP162).

Nickerson, Dorothy

Discussion. Published in *ASTM BULLETIN*, No. 202, Dec., 71 (TP257).

Norén, Bengt

Relation Between Compressive Strength and Rate of Deformation in Testing Swedish Fir. Published in *ASTM BULLETIN*, No. 202, Dec., 43 (TP229).

Norris, H. B.

The Correlation of the Betatron with Other Forms of Non-Destructive Testing. Published in *ASTM BULLETIN*, No. 197, Apr., 56 (TP84).

O**O'Connor, D. T.**

See Criscuolo, E. L., and O'Connor, D. T.
See Modine, N., and O'Connor, D. T.
See Polansky, D., and O'Connor, D. T.

O'Connor, D. T., and Criscuolo, E. L.

Radiographic-Performance Correlation in Ordnance Design and Evaluation. Published in special reprint only.

Ollensis, G. L.

Discussion. Published in *ASTM BULLETIN*, No. 199, July, 60 (TP138).

P**Painter, R. J.**

What Standards Mean to Us—General Comments and Background. Published in *ASTM BULLETIN*, No. 203, Jan., 1955, 41 (TP1).

Paitchel, H.

See Diaz, R. B., Paitchel, H., and Woodhead, J. A.

Palchoudhuri, A.

See Polakowski, N. H., and Palchoudhuri, A.

Palmer, L. A., and Brown, P. P.

Piles Subjected to Lateral Thrust: Part II—Analysis of Pressure Deflection, Moment, and Shear by the Method of Difference Equations—*STP 154-A*, 1243.

Parente, E. J.

See Coryell, R. L., Schwerd, F. J., and Parente, E. J.

- Parker, Frank C.**
Discussion. Published in *ASTM BULLETIN*, No. 196, Feb., 60 (TP68).
- Peck, Charles F., Jr.**
See Romualdi, James P., Chang, Chiao-Lin, and Peck, Charles F., Jr.
- Peterson, R. E.**
Discussion, 753, 767.
- Phillips, C. W.**
Discussion, 1123.
- Plettner, R. M., and Currin, C. G.**
A Method for Evaluation of the Thermal Aging Stability of Flexible Sheet Insulation—Summary of Proceedings of *STP 161*, 1385.
- Polakowski, N. H., and Palchoudhuri, A.**
Softening of Certain Cold-Worked Metals Under the Action of Fatigue Loads, 701. Disc., 715.
- Polansky, D., and O'Connor, D. T.**
The Reliability of Fluoroscopic Inspection of Extruded Propellant. Published in special reprint only.
- Port, J. H., and Blank, A. I.**
The Creep Characteristics of Copper-Nickel Alloys at 300, 400, and 500 F, 1038.
- Power, William R.**
The Invalid Induction Period. Published in *ASTM BULLETIN*, No. 200, Sept., 58 (TP184).
- Prager, W.**
Discussion, 1382.
- R**
- Ransom, J. T.**
Discussion, 847.
- Raring, R., and Rinebolt, J.**
Notch-Bar Tests of High-Strength Steel, 956. Disc., 963.
- Richards, Cedric W.**
Size Effect in the Tension Test of Mild Steel, 995. Disc., 1002.
- Richardson, J. F.**
See Scott, A. H., Ehrlich, Paul, and Richardson, J. F.
- Ricketts, W. C., Sprague, John C., Tabb, D. D., and McRae, J. L.**
An Evaluation of the Specific Gravity of Aggregates for Use in Bituminous Mixtures, 1246. Disc., 1257.
- Riddell, Helen F.**
See Newman, Sanford B., Hammond, Harry K., III, and Riddell, Helen F.
- Rinebolt, J.**
See Raring, R., and Rinebolt, J.
- Rodenberger, H. J.**
See Kobliska, J. J., and Rodenberger, H. J.
- Roesli, A., Loewer, A. C., and Eney, W. J.**
Machine to Apply Repeated Loads to Large Flexural Members. Published in *ASTM BULLETIN*, No. 196, Feb., 50 (TP58).
- Rogers, P. L.**
Developing a Test Method for Efflorescence of Masonry Mortar. Published in *ASTM BULLETIN*, No. 200, Sept., 64 (TP190).
- Romualdi, J. P., and D'Appolonia, E.**
Effect of Range of Stress and Prestrain on the Fatigue Properties of Titanium, 798. Disc., 820.
- Romualdi, James P., Chang, Chiao-Lin, and Peck, Charles F., Jr.**
A Fatigue Testing Machine for Range of Stress. Published in *ASTM BULLETIN*, No. 200, Sept., 39 (TP165).
- Rowe, Robert S.**
Autogenesis. Published in *ASTM BULLETIN*, No. 201, Oct., 63 (TP225).
- Ruff, R. J.**
Catalytic Method of Measuring Hydrocarbon Concentrations in Industrial Exhaust Fumes—Summary of Proceedings of *STP 164*, 1383.
- Rush, A. I., and Freeman, J. W.**
Statistical Evaluation of the Creep-Rupture Properties of Four Heat-Resistant Alloys in Sheet Form, 1098. Disc., 1125.
- S**
- Sagarin, Edward**
Odor: A Proposal for Some Basic Definitions—Summary of Proceedings of *STP 164*, 1383.
- Savage, W. T.**
Introduction to Symposium on Methods of Testing Building Constructions—Summary of Proceedings of *STP 166*, 1245.
- Schaefer, A. O.**
A Producer Looks at Standards. Published in *ASTM BULLETIN*, No. 203, Jan., 1955, 45 (TP5).
- Schoch, M. G., Jr.**
See Juve, A. E., and Schoch, M. G., Jr.
- Scholer, C. H.**
Discussion, 1186.
- Scholer, C. H., and Smith, G. M.**
A Rapid Accelerated Test for Cement-Aggregate Reaction, 1165.
- Schuette, E. H.**
A Simplified Statistical Procedure for Obtaining Design-Level Fatigue Curves, 853. Disc., 872.

- Schwartzbart, Harry, and Sheehan, J. P.**
Effect of Specimen Size on Notched Bar Impact Properties of Quenched-and-Tempered Steels, 939, Disc., 954.
- Schweizer, E.**
Discussion. Published in ASTM BULLETIN, No. 196, Feb., 39 (TP47).
- Schwerd, F. J.**
See Coryell, R. L., Schwerd, F. J., and Parente, E. J.
- Scofield, Francis**
Color of Transparent Liquids for Surface Coatings—Symposium on Color of Transparent and Translucent Products. Published in ASTM BULLETIN, No. 202, Dec., 68 (TP254). Disc., 69 (TP255); see also Summary of Proceedings, 1387.
- Scott, A. H., Ehrlich, Paul, and Richardson, J. F.**
Measurement of Dielectric Properties at Temperatures up to 500 C—Summary of Proceedings of *STP 161*, 1385.
- Scripture, E. W., Jr.**
Setting Time of Concrete—Summary of Proceedings of *STP 169*, 1242.
- Seed, H. B., and Lundgren, R.**
Investigation of the Effect of Transient Loading on the Strength and Deformation Characteristics of Saturated Sands, 1288.
- Seens, W. B.**
See Smith, G. V., and Seens, W. B.
- Seniff, R. W.**
Technical Problems Associated with Diesel Fuels in Railroad Operations—Summary of Proceedings of *STP 167*, 1386.
- Sheehan, J. P.**
See Schwartzbart, Harry, and Sheehan, J. P.
- Shepard, Lawrence A.**
See Dorn, John E., and Shepard, Lawrence A.
- Sidebottom, O. M.**
See Clark, M. E., and Sidebottom, O. M.
- Silard, B. A.**
Discussion. Published in ASTM BULLETIN No. 201, Oct., p. 40 (TP202); No. 202, Dec., 69 (TP255), and 71 (TP257).
- Simmons, Ward F.**
Discussion, 1352.
- Simmons, Ward F., and Cross, Howard C.**
Constant and Cyclic-Load Creep Tests of Several Materials—Summary of Proceedings of *STP 165*, 700.
- Simpson, W. King**
Introduction to Symposium on Diesel Fuels—Summary of Proceedings of *STP 167*, 1386.
- Sinclair, G. M.**
See Corten, H. T., Sinclair, G. M., and Dolan, T. J.
- Sinclair, James J., and Griffis, C. B.**
A Method of Measuring the Gehman Stiffness of Rubber Utilizing a Methanol Liquid Bath. Published in ASTM BULLETIN, No. 200, Sept., 56 (TP182).
- Sines, George**
Discussion, 848.
- Sinnott, M. J.**
Discussion, 1123.
- Skinner, E. N.**
See Eiselstein, H. L., and Skinner, E. N.
- Smith, Clarence R.**
Discussion, 783, 926.
- Smith, G. M.**
See Scholer, C. H., and Smith, G. M.
- Smith, G. V., and Seens, W. B.**
Short-Time Tension and Creep-Rupture Properties of Hardened 1040, 4340, and Ni-Cr-Mo-V Steels up to 1000 F, 1028.
- Smith, G. V., and Houston, E. G.**
Experiments on the Effects of Temperature and Load Changes on Creep Rupture of Steels—Summary of Proceedings of *STP 165*, 700.
- Smith, W. O., and Stallman, R. W.**
Measurement of Permeabilities in Ground-Water Investigations—Summary of Proceedings of *STP 163*, 1244.
- Snyder, M. J., Lortscher, L. L., and Beatty, G. H.**
Sampling and Paintbrushes. Published in ASTM BULLETIN, No. 197, Apr., 49 (TP77).
- Sprague, John C.**
See Ricketts, W. C., Sprague, John C., Tabb, D. D., and McRae, J. L.
- Stallman, R. W.**
See Smith, W. O., and Stallman, R. W.
- Stark, H. J.**
See Yustein, S. E., Winans, R. R., and Stark, H. J.
- Stasse, H. L.**
A Simple Fractional Distillation Test for Creosote, 1258.
- Steiner, A. J.**
Fire Tests of Building Structures and Materials and Their Utilization in Building Code Requirements—Summary of Proceedings of *STP 166*, 1245.
- Stiehler, Robert D.**
See Decker, George E., and Stiehler, Robert D.

Stillinger, J. R.

Lateral Tests on Full-Scale Lumber- and Plywood-Sheathed Roof Diaphragms—Summary of Proceedings of *STP 166*, 1245.

Stone, Irwin

Color Methods in the Brewing Industry—Symposium on Color of Transparent and Translucent Products. Published in *ASTM BULLETIN*, No. 201, Oct., 40 (TP202); see also Summary of Proceedings, 1387.

Streicher, M. A.

Results of Cooperative Testing Program for the Evaluation of the Oxalic Acid Etching Test. Published in *ASTM BULLETIN*, No. 195, Jan., 63 (TP25).

Stulen, F. B., and Cummings, H. N.

A Failure Criterion for Multi-Axial Fatigue Stresses, 822.

Sutherland, M. L.

See Anderson, W. W., and Sutherland, M. L.

Sutton, R. S.

See LaTour, Harry, and Sutton, R. S.

Switzer, M. H.

Development of a Hiding Power Test Method—Report of Progress. Published in *ASTM BULLETIN*, No. 197, Apr., 60 (TP88).

T**Tabb, D. D.**

See Ricketts, W. C., Sprague, John C., Tabb, D. D., and McRae, J. L.

Tarr, Levi

Experiences with Ultrasonic Reflectoscope Inspection of Main Seam Welds of Seven Large Spheres. Published in *ASTM BULLETIN*, No. 196, Feb., 54 (TP62). Disc., 60 (TP68).

Tatnall, Francis G.

Field Testing Techniques Using the Bonded-Wire Strain Gage. Published in *ASTM BULLETIN*, No. 199, July, 62 (TP140).

Templin, R. L.

Fatigue of Aluminum, 641.

Thompson, R. L.

Correlation of Gamma Radiography and Magnaflux Indications in the Inspection of Large Cast-Steel Connecting Rods. Published in *ASTM BULLETIN*, No. 197, Apr., 58 (TP86).

Thornton, John C.

Discussion, 1239.

Thurston, R. S.

See Miskimen, T. A., and Thurston, R. S.

Tomlinson, R. C.

Some Recent British Work on Coal Sampling—Summary of Proceedings of *STP 162*, 1384.

Toolin, P. R.

The Influence of Test Temperature and Grain Size on the Fatigue Notch Sensitivity of Refractaloy-26, 786. Disc., 797.

Trump, J. G.

See Goldie, C. H., Wright, K. A., Anson, J. H., Cloud, R. W., and Trump, J. G.

Tsareff, T.

See Green, A. W. F., Lampson, K., and Tsareff, T.

Tucker, Nancy J.

See Bean, Leonard, and Tucker, Nancy J.

Turk, Amos

Introduction to Symposium on Odor—Summary of Proceedings of *STP 164*, 1383.
Odor Control Methods: A Critical Review—Summary of Proceedings of *STP 164*, 1383.

Tutwiler, T. S.

See Hamer, J. P., Tutwiler, T. S., and Weisel, C. A.

V**Van Echo, J. A.**

Discussion, 1352.

VanValkenburg, H. E.

See Cook, E. G., and VanValkenburg, H. E.

Visman, Jan

Tests on the Binomial Sampling Theory—Summary of Proceedings of *STP 162*, 1384.

Vollentine, J. W.

Technical Problems Associated with Diesel Fuels in Contractors' Equipment—Summary of Proceedings of *STP 167*, 1386.

Voss, Walter C.

Discussion, 1239.

W**Wakeman, C. M.**

See Whiteneck, L. L., Beardsley, C. W., and Wakeman, C. M.

Ward, C. C.

Diesel Fuel Specifications Requirements—Summary of Proceedings of *STP 167*, 1386.

Ward, E. J.

Discussion, 784, 797, 895.

Watt, J. J.

See Hancock, H. M., and Watt, J. J.

Watts, C. R.

Material Standards and the Department of Defense. Published in *ASTM BULLETIN*, No. 203, Jan., 1955, 47 (TP7).

Weaver, A. S.

A Method of Determining the Permeability of Granular Materials, Using Air Subjected to a Decreasing Pressure Differential—Summary of Proceedings of *STP 163*, 1244.

Webb, W. L.

See Bertholf, W. M., and Webb, W. L.

Webber, A. C.

See Marin, Joseph, Webber, A. C., and Weissmann, G. F.

Wechsler, Kenneth

Electrical Resistivity of Bonded Micaceous Materials at Elevated Temperatures—Summary of Proceedings of *STP 161*, 1385.

Wegeng, Thomas J.

See Carl, Robert A., and Wegeng, Thomas J.

Weisel, C. A.

See Hamer, J. P., Tutwiler, T. S., and Weisel, C. A.

Weismantel, E. E.

Discussion, 588.

Weissmann, G. F.

See Marin, Joseph, Webber, A. C., and Weissmann, G. F.

Werthan, S.

Beaded Traffic Line Paint. Published in *ASTM BULLETIN*, No. 202, Dec., 59 (TP245).

Whiteneck, L. L., Beardsley, C. W., and Wakeman, C. M.

Southern California Corrosion Test Station. Published in *ASTM BULLETIN*, No. 199, July, 53.

Whittemore, Herbert L.

Why Test Building Constructions—Summary of Proceedings of *STP 166*, 1245.

Wickstrom, A. E.

See Chu, T. Y., Davidson, D. T., and Wickstrom, A. E.

Wilder, A. B.

Discussion, 987, 1125.

Willis, T. F.

Discussion, 1186.

Winans, R. R.

See Yustein, S. E., Winans, R. R., and Stark, H. J.

Winans, R. R., and Hand, W.

Electrical Properties of Thermosetting Plastics at Elevated Temperatures—Summary of Proceedings of *STP 161*, 1385.

Winterkorn, Hans F.

Water Movement Through Porous Hydrophilic Systems Under Capillary, Electrical, and Thermal Potentials—Summary of Proceedings of *STP 163*, 1244.

Wiseman, H. A. B., and Marin, Joseph

A New Triaxial Stress Testing Machine for Determining Plastic Stress-Strain Relations, 1365. Disc., 1382.

Wood, Lyman W.

Structural Performance Requirements in Housing Codes—Summary of Proceedings of *STP 166*, 1245.

Woodhead, J. A.

See Diaz, R. B., Paitchel, H., and Woodhead, J. A.

Worley, Will J.

Discussion, 1000.

Wright, K. A.

See Goldie, C. H., Wright, K. A., Anson, J. H., Cloud, R. W., and Trump, J. G.

Wuerpel, C. E.

Air-Entraining Admixtures—Summary of Proceedings of *STP 169*, 1242.

Y**Yemington, E. G.**

A Low-Head Permeameter for Testing Granular Materials—Summary of Proceedings of *STP 163*, 1244.

Youden, W. J.

Design of Experiments and Physical Sciences—Summary of Proceedings of Symposium on Design of Experiments, 1387.

Yustein, S. E., Winans, R. R., and Stark, H. J.

Three Years' Outdoor Weather Aging of Plastics Under Various Climatological Conditions. Published in *ASTM BULLETIN*, No. 196, Feb., 29 (TP37). Disc., 38 (TP46).

Z**Zeno, R. S.**

Discussion, 952.

SUBJECT INDEX

VOLUME 54

A

- Absorption Spectroscopy
 - Report of Comm. E-13, 600.
- Acetate
 - Report of Comm. D-13, 493.
- Additives
 - fly ash in concrete as a pozzolan (Minnick), 1129. (R) Disc., 1159.
- Adhesives
 - bonded specimens
 - deflection
 - proposed method of test. Published in Sept., 1954, Compilation of ASTM Standards on Adhesives.
 - Report of Comm. D-14, 503.
 - susceptibility to attack by rats
 - proposed method of test. Published in Sept., 1954, Compilation of ASTM Standards on Adhesives.
 - susceptibility to attack by roaches
 - proposed method of test. Published in Sept., 1954, Compilation of ASTM Standards on Adhesives.
- Aggregates
 - alkali reaction (Brown). Published in ASTM BULLETIN, No. 205, Apr., 1955, 40 (TP66).
 - bituminous mixtures
 - specific gravity (Ricketts, Sprague, Tabb, and McRae), 1246. Disc., 1256.
 - cement-aggregate reaction
 - accelerated test (Scholer and Smith), 1165.
 - concrete
 - petrographic examination (Mielenz), 1188. (R).
 - Report of Comm. C-9, 347.
 - proposed tentative methods
 - Report of Comm. C-9, 356.
- Aircraft
 - fatigue (Carl and Wegeng), 903. Disc., 926.
- fuels
 - heat of combustion and aniline-gravity (Jessup and Coglian). Published in ASTM BULLETIN, No. 201, Oct., 55 (TP217).
- Alloys
 - high-temperature
 - creep-rupture properties (Rush and Freeman), 1098. Disc., 1123.
- Aluminum
 - atmospheric exposure (Adam and Dougherty), 270.
 - creep and rupture properties under static and

- fatigue stress (DeMoney and Lazan), 769 Disc., 783.
- fatigue (Templin), 641. (R).
- behavior (Hunter and Fricke), 717. (R) Disc., 733.
- influence of stress aptitude (Corten, Sinclair, and Dolan), 737. (R) Disc., 753.
- under biaxial stress (Bundy and Marin), 755. (R) Disc., 767.
- Report of Comm. B-1, 138.
- Report of Comm. B-7, 260.
- Annual Meeting
 - Report of Board of Directors, 37.
 - Summary of Proceedings of the Fifty-seventh Annual Meeting, 1.
- Antifreezes
 - Report of Comm. D-15, 506.
- Aromatic Hydrocarbons
 - bromine index
 - proposed method. Report of Comm. D-16, 510.
 - Report of Comm. D-16, 508.
- Asbestos
 - Report of Comm. D-13, 493.
- Asphalt
 - coatings
 - thermal shock effects. Disc. Published in ASTM BULLETIN, No. 199, July, 60 (TP138).
 - Report of Comm. D-4, 420.
 - Report of Comm. D-8, 440.
- Autogenesis
 - concrete (Rowe). Published in ASTM BULLETIN, No. 201, Oct., 63 (TP225).
- Awards of Merit
 - Summary of Proceedings of the Fifty-seventh Annual Meeting, 9.

B

- Bast and Leaf Fibers
 - Report of Comm. D-13, 493.
- Becker Value
 - manila rope
 - photoelectric reflectometry (Newman, Hammond, and Riddell). Published in ASTM BULLETIN, No. 199, July, 84 (TP162).
- Bend Testing
 - improved scale system (LaTour and Sutton). Published in ASTM BULLETIN, No. 196, Feb., 40 (TP48).

- Bending
 creep-time relationship for nylon (Marin, Webber, and Weissmann), 1313. Disc., 1329.
- Bituminous Materials
 Report of Comm. D-4, 420.
 Report of Comm. D-8, 440.
- Bituminous Mixtures
 aggregates
 evaluation of specific gravity (Ricketts, Sprague, Tabb, and McRae), 1246. Disc., 1256.
- Board of Directors
 Annual Report, 37.
- Brass
 Report of Comm. B-5, 163, 167, 173.
- Brick
 fire
 Report of Comm. C-8, 344.
 Report of Comm. C-15, 387.
- Bronze
 Report of Comm. B-5, 163, 167, 173.
 Report of Comm. B-9, 311.
- Building Constructions
 Report of Comm. E-6, 594.
 Symposium on Methods of Testing Building Constructions. Summary of Proceedings of *STP 166*, 1245:
 bibliography—wood diaphragm tests (Horn).
 fire tests—building codes (Steiner).
 full-scale lumber- and plywood-sheathed roof diaphragms (Stillinger).
 masonry walls (Monk).
 requirements in housing codes (Wood).
 roof trusses for housing construction (Luxford and Heyer).
 testing building constructions (Whittemore).
- C**
- Cable
 Report of Comm. B-1, 138.
- Cast Iron
 Report of Comm. A-3, 104.
 Report of Comm. A-7, 129.
- Cellulose
 Report of Comm. D-23, 540.
- Cement
 cement-aggregate reaction
 accelerated test (Scholer and Smith), 1165.
 methods of analysis (Bean and Hackney). Published in *ASTM BULLETIN*, No. 197, Apr., 43 (TP71).
 mortar
 compressive strength
 mechanical mixing
 proposed method. Published in *ASTM BULLETIN*, No. 196, Feb., 24.
 oxychloride, magnesium
 Report of Comm. C-2, 338.
 oxyquinolate determination of magnesium oxide (Bean and Tucker). Published in *ASTM BULLETIN*, No. 201, Oct., 62 (TP224).
 oxysulfate, magnesium
 Report of Comm. C-2, 338.
 proposed tentative methods
 Report of Comm. C-9, 356.
 Report of Comm. C-1, 335.
 thermal insulating
 Report of Comm. C-16, 389.
 volume change (Anderegg and Anderegg). Scheduled for publication in 1955 *ASTM BULLETIN*.
- Cemented Carbides
 Report of Comm. B-9, 311.
- Ceramics
 metal coatings
 Report of Comm. C-22, 394.
- Charpy
 Poisson effect (Hartbower), 929. Disc., 937.
- Chemical Analysis
 Report of Comm. E-2, 559.
 Report of Comm. E-3, 562.
- Chemical Resistant Units
 Report of Comm. C-15, 387.
- Chip Resistance
 paint
 measuring instruments (Brightwell). Published in *ASTM BULLETIN*, No. 200, Sept., 53 (TP179).
- Clay Pipe
 Report of Comm. C-4, 342.
- Coal
 Report of Comm. D-5, 427.
- Coal Sampling
 Symposium on Coal Sampling. Summary of Proceedings of *STP 162*, 1384:
 analysis (Anderson and Sutherland).
 binomial sampling (Visman).
 British progress (Tomlinson).
 coal sampler
 Geary-Jennings (Bertholf and Webb).
 mechanical (Coryell, Schwerd, and Parente).
 revolving cylinder (Blatter).
 multitolt sampling (Miskimen and Thurston).
 theoretical development (Bertholf).
- Coatings
 at.odic
 Report of Comm. B-7, 260.
- ceramic
 Report of Comm. C-22, 394.
- electrodeposited
 Report of Comm. B-8, 295.
 salt spray tests
 Report of Comm. B-8, 299.
- metal
 Report of Comm. A-5, 106.
- protective
 Report of Comm. C-16, 389.
- supplementary
 Report of Comm. B-8, 295.
- Coke
 Report of Comm. D-5, 427.
- Color
 Symposium on Transparent and Translucent Products. Published in *ASTM BULLETIN*, No. 201, Oct. and No. 202, Dec.; see also Summary of Proceedings, 1387:
 agricultural products (Gould, Davis, and Mavis), Dec., 61 (TP247).
 brewing industry (Stone), Oct., 40 (TP202).

- dairy products (Keeney), Dec., 70 (TP256).
- general disc., Dec., 71 (TP257).
- grading (Ingle), Oct., p. 36 (TP198), Disc., 40 (TP202).
- petroleum products (Hancock and Watt), Oct., 31 (TP193).
- sugar industry (McGinnis), Oct., 42 (TP204), Disc., 48 (TP210).
- summary (Judd), Dec., 72 (TP258).
- surface coating (Scofield), Dec., 68 (TP254).
- Compression
 - cement
 - mechanical mixing proposed method. Published in ASTM BULLETIN, No. 196, Feb., 24.
 - creep-time relationship for nylon (Marin, Webber, and Weissmann), 1313, Disc., 1329.
 - Swedish fir (Norén). Published in ASTM BULLETIN, No. 202, Dec., 43 (TP229).
- Concrete
 - aggregates
 - petrographic examination (Mielenz), 1188, (R).
 - autogenesis (Rowe). Published in ASTM BULLETIN, No. 201, Oct., 63 (TP225).
 - cement-aggregate reaction
 - accelerated test (Scholer and Smith), 1165.
 - fly ash admixture (Minnick), 1129, (R), Disc., 1159.
 - Report of Comm. C-9, 347.
 - significance of tests
 - Significance of Tests on Concrete. Summary of Proceedings of STP 169, 1242:
 - admixtures
 - air-entrained (Wuerpel).
 - mineral properties (Meissner).
 - mixing and curing (McCoy).
 - petrographic examination (Mielenz). (Also included in these 1954 *Proceedings*, 1188, (R))
 - setting time (Scripture).
 - statistical relation
 - cylinder, modified cube, beam strength (Kesler), 1178, Disc., 1186.
- Concrete Masonry Units
 - Report of Comm. C-15, 387.
- Concrete Pipe
 - Report of Comm. C-13, 381.
- Conditioning
 - Report of Comm. E-1, 542.
- Conductors
 - Report of Comm. B-1, 138.
- Consistency
 - Report of Comm. E-1, 542.
- Contact Materials
 - Report of Comm. B-4, 160.
- Containers
 - glass
 - Report of Comm. C-14, 385.
 - Report of Comm. D-10, 479.
- Copper
 - creep characteristics (Port and Blank), 1038.
 - Report of Comm. B-2, 145.
 - Report of Comm. B-5, 163, 167, 173.
 - wire
 - Report of Comm. B-1, 138.
- Corrosion
 - atmospheric
 - light metals (Adam and Dougherty), 270.
 - electrodeposited coatings
 - Report of Comm. B-8, 295.
 - galvanic
 - Report of Comm. B-3, 147, 150.
 - Report of Comm. A-5, 106, 110, 123.
 - Report of Comm. B-3, 147.
 - Report of Comm. B-6, 257.
 - Report of Advisory Comm. on Corrosion, 314.
 - steel
 - Report of Comm. A-10, 130.
- Cotton
 - dyeing behavior
 - proposed method of test. Published in Oct., 1954, Compilation of ASTM Standards on Textile Materials.
 - Report of Comm. D-13, 493.
- Creep
 - aluminum under static and fatigue stress (DeMoney and Lazan), 769, Disc., 783.
 - annealed zirconium (Manjoine and Mudge), 1050.
 - copper alloys (Port and Blank), 1038.
 - heat-resistant alloys
 - statistical evaluation (Rush and Freeman), 1098, Disc., 1123.
 - magnesium wrought alloys
 - elevated-temperature properties (Baker), 1068.
 - nylon (Marin, Webber, and Weissmann), 1313, Disc., 1329.
 - plastics
 - effect of crystallinity, crazing, aging, and residual stress (Findley), 1307.
 - sand-casting alloys
 - elevated-temperature properties (Nelson), 1081.
 - Creep-Rupture
 - hardened 1040, 4340, and Ni-Cr-Mo-V steels (Smith and Seens), 1028.
- Creosote
 - distillation test (Stasse), 1258.
- Cyclic Heating and Stressing
 - metals at elevated temperatures
 - Symposium on Effect of Cyclic Heating and Stressing on Metals at Elevated Temperatures. Summary of Proceedings of STP 165, 700:
 - aircraft sheet alloys (Guarnieri).
 - constant and cyclic-load creep tests (Simmons and Cross).
 - creep (Dorn and Shepard).
 - creep rupture of steels (Smith and Houston).
 - cyclic overloads (Caughey and Hoyt).
 - fatigue (Coffin).
 - rupture strength (Miller).
 - scaling of Fe-Cr-Ni alloys (Eiselstein and Skinner).

D

- Deformation Rate
 - Swedish fir (Norén). Published in ASTM BULLETIN, No. 202, Dec., 43 (TP229).

- De-icing Solutions
chemical evaluation (Berger). Published in
ASTM BULLETIN, No. 197, Apr., 67 (TP95).
- Density
cohesionless soils (Griffin), 1270.
- Design of Experiments
Symposium on Design of Experiments. Sum-
mary of Proceedings of Washington Na-
tional Meeting, 1387.
- Detergents
Report of Comm. D-12, 490.
- Die Castings
analytical study. Published in ASTM BULLE-
TIN, No. 196, Feb., 61 (TP69).
- Report of Comm. B-6, 257.
- Dielectric Constant
aviation fuels
proposed methods of test. Published in
Feb., 1955, Compilation of ASTM Stand-
ards on Electrical Insulating Materials.
errors in measurement (Field), 456.
- Distillation
creosote (Stasse), 1258.
- four piece steamer (Antelman). Published in
ASTM BULLETIN, No. 197, Apr., 66
(TP94).
- petroleum
information on test method. Report of
Comm. D-2, 416.
- District Activities
Report of Comm. on District Activities, 89.
- Dudley Medal
Summary of Proceedings of the Fifty-seventh
Annual Meeting, 21.

E

- Efflorescence
masonry mortar (Rogers). Published in
ASTM BULLETIN, No. 200, Sept., 64
(TP190).
- Elastomer
hardness testing at low temperatures (Labbe).
Published in ASTM BULLETIN, No. 199,
July, 73 (TP151).
- stiffness testing at low temperatures (Conant).
Published in ASTM BULLETIN, No. 199,
July, 67 (TP145).
- vulcanizates
effect of temperature (Juve and Schoch).
Published in ASTM BULLETIN, No. 195,
Jan., 54 (TP16).
- Electronics
materials
Report of Comm. B-4, 160.
- Emission Spectroscopy
Report of Comm. E-2, 559.
- Enamel
porcelain
Report of Comm. C-22, 394.
- Etching, Electrolytic
steel, stainless. Published in ASTM BULLE-
TIN, No. 195, Jan. (Streicher), 63 (TP25);
(Beck, Greene, and Fontana), 68 (TP30);
(Jackson and Luce), 71 (TP33).

F

- Fatigue
aircraft structures (Carl and Wegeng), 903.
Disc., 926.
- aluminum
creep and rupture (DeMoney and Lazan),
769. Disc., 783.
- influence of stress aptitude (Corten, Sin-
clair, and Dolan), 737. (R) Disc., 753.
- metallographic aspects (Hunter and Fricke),
717. (R) Disc., 733.
- subjected to biaxial stress (Bundy and
Marin), 755. (R) Disc., 767.
- aluminum (Templin), 641. (R).
- design-level curves
statistical procedure (Schuette), 853. Disc.,
865.
- failure criterion for multi-axial stresses (Stulen
and Cummings), 822. (R).
- high-temperature sheet materials (Goldberg
and Lombardo), 325.
- Prot method (Corten, Dimoff, and Dolan),
875. (R) Disc., 895.
- Report of Comm. E-9, 596.
- softening cold-worked metals (Polakowski and
Palchoudhuri), 701. (R) Disc., 713.
- stress in torsion and axial load (Findley), 836.
(R) Disc., 847.
- testing machine
range of stress (Romualdi, Chang, and
Peck). Published in ASTM BULLETIN,
No. 200, Sept., 39 (TP165).
- titanium (Romualdi and D'Appolonia), 798.
(R) Disc., 816.
- Fiberboard
Report of Comm. D-6, 434.
- Fibers
Report of Comm. D-13, 493.
- Filler Metals
stainless steel
welding rod specifications. Published in
ASTM BULLETIN, No. 198, May, 77
(TP123).
- Filter Block
clay
Report of Comm. C-15, 387.
- Finances
Auditors' Report, 63.
- Fineness
wet sieve method (Kobliska and Rodenber-
ger). Published in ASTM BULLETIN, No.
200, Sept., 46 (TP172).
- Fire Tests
Report of Comm. E-5, 591.
- Flexure
repeated load machine (Roesli, Loewer, and
Eney). Published in ASTM BULLETIN, No.
196, Feb., 50 (TP58).
- Fly Ash
use as a pozzolan in concrete (Minnick), 1129.
(R) Disc., 1159.
- Forging Ingots
ultrasonic testing (Hafemeister). Published in
ASTM BULLETIN, No. 197, Apr., 52 (TP80).

Fuels

aircraft

heat of combustion and aniline-gravity (Jesup and Cogliano). Published in *ASTM BULLETIN*, No. 201, Oct., 55 (TP217).

aviation

dielectric constant

proposed methods of test. Published in Feb., 1955, *Compilation of ASTM Standards on Electrical Insulating Materials*.

diesel

Symposium on Diesel Fuels. Summary of Proceedings of *STP 167*, 1386:

available at roadside filling stations (Howe).

domestic diesel fuels (Larson).

furnace oils (Messick).

marine operations (Habermann).

problems in contractors' equipment (Volentine).

problems in interstate coach operation (Duvall).

problems in railroad operations (Seniff).

specifications requirements (Ward).

storage problems (Moore and Lakin).

gasoline

Report of Comm. D-2, 403.

stability

correlation of induction tests (Donahue). Published in *ASTM BULLETIN*, No. 200, Sept., 61 (TP187).

induction period (Power). Published in *ASTM BULLETIN*, No. 200, 58 (TP184).

jet

filterability

proposed method of test. Published in Nov., 1954, *Compilation of ASTM Standards on Petroleum Products and Lubricants*.

mercaptan sulfur

proposed method of test. Published in Nov., 1954, *Compilation of ASTM Standards on Petroleum Products and Lubricants*.

G

Gasoline, see Fuels.

Gaseous Fuels

Report of Comm. D-3, 418.

Gillett Lecture

fatigue of aluminum (Templin), 641. (R).

Glass

Report of Comm. C-14, 385.

textiles

Report of Comm. D-13, 493.

Grain Size

refractaloy-26

fatigue notch sensitivity (Toolin), 786. (R) Disc., 797.

Report of Comm. B-5, 173.

Grease

Report of Comm. D-2, 403.

Gypsum

Report of Comm. C-11, 374.

H

Hardness Testing

Report of Comm. E-1, 542.

Hiding Power

paints (Switzer). Published in *ASTM BULLETIN*, No. 197, Apr., 60 (TP88).

High Temperature

plastics testing (Klute and McKee). Published in *ASTM BULLETIN*, No. 202, Dec., 50 (TP236).

Highway Materials

Report of Comm. D-4, 420.

Hogentogler Award

Summary of Proceedings of the Fifty-seventh Annual Meeting, 14.

Honorary Membership Awards

Summary of Proceedings of the Fifty-seventh Annual Meeting, 9.

Hydrocarbons

aromatic

bromine index

proposed method. Report of Comm. D-16, 510.

presence in C₄ fraction

infrared spectrophotometry

proposed method of test. Published in Nov., 1954, *Compilation of ASTM Standards on Petroleum Products and Lubricants*.

Report of Comm. D-16, 508.

I

Impact

Charpy

Poisson effect (Hartbower), 929. Disc., 937.

specimen size effect

steel notched bars (Schwartzbart and Sheehan), 939. (R) Disc., 952.

steel

notched-bar test (Raring and Rinebolt), 956. Disc., 963.

test

sheet metals (Muhlenbruch). Published in *ASTM BULLETIN*, No. 196, Feb., 43 (TP51). Disc., 49 (TP57).

tester

textiles (Dickson and Davieau). Published in *ASTM BULLETIN*, No. 198, May, 85 (TP131).

Insulating Materials

electrical

errors in measurement of dielectric constant (Field), 456.

Report of Comm. D-9, 444.

Report of Comm. D-20, 529.

Symposium on Temperature Stability of

Electrical Insulating Materials. Summary of Proceedings of *STP 161*, 1385:

deflected beam-film rupture test (Morgan and Mathes).

dielectric

properties (Scott, Ehrlich, and Richardson).

measurements on plastics (Hazen).

Insulating Materials—*continued*.Symposium—*continued*.

electrical resistivity (Wechsler).

fabrics (Bartlett).

flexible sheet insulation (Plettner and Currin).

heat aging characteristics (Morgan and Mathes).

insulating varnishes (Haroldson).

polyvinyl chloride compounds (Bartlett).

silicone varnished glass fabric (Anderson).

thermosetting plastics (Winans and Hand).

impact machine (Burns). Published in ASTM BULLETIN, No. 195, Jan., 61 (TP23).

International Relations

Report of Comm. on Standards, 76.

L

Lacquer

Report of Comm. D-1, 396.

Lateral Loads

Supplement to Symposium on Lateral Loads
Tests on Piles, *STP 154-A*, 1243:

earth pressure and deflection (Mason and Bishop).

pressure deflection analysis (Palmer and Brown).

Low Temperature

hardness testing elastomers (Labbe). Published in ASTM BULLETIN, No. 199, July 73 (TP151).

plastics testing (Khute and McKee). Published in ASTM BULLETIN, No. 202, Dec., 50 (TP236).

stiffness testing elastomers (Conant). Published in ASTM BULLETIN, No. 199, July, 67 (TP145).

Lubricants

Report of Comm. D-2, 403.

Lubrication

Symposium on Engine Design Effects. Published in ASTM BULLETIN, No. 198, May:

bearing wear (Junge), 64 (TP110).

oil requirements (Hamer, Tutwiler, and Weisel), 70 (TP116).

wear (Mougey), 57 (TP103).

M

Magnesium

atmospheric exposure (Adam and Dougherty), 270.

sand-casting alloys

elevated-temperature properties (Nelson), 1081.

wrought alloys

elevated-temperature properties (Baker), 1068.

Report of Comm. B-7, 260.

Magnetic Properties

Report of Comm. A-6, 128.

Magnetic Testing

steel connecting rods

gamma ray and magnaflex (Thompson).

Published in ASTM, BULLETIN, No. 197, Apr., 58 (TP86).

Malleable Iron

Report of Comm. A-7, 129.

Marburg Lecture

interpretation of engineering data (Dodge), 603. (R).

Masonry

cracking and damage

clay tile moisture expansion (McBurney), 1219. (R) Disc., 1239.

Report of Comm. C-12, 379.

Membership

Report of Board of Directors, 37.

Metal Cleaning

Report of Comm. D-12, 490.

Metallography

electron microstructure

bainite and martensite in steel

Report of Comm. E-4, 568. Disc., 588.

Report of Comm. E-4, 566.

Metals and Alloys

chemical analysis

Report of Comm. E-3, 562.

non-ferrous

Report of Comm. B-3, 147, 150.

Metals, Light

Report of Comm. B-7, 260, 263.

Metal Powders

Report of Comm. B-9, 311.

Mica

Report of Comm. D-9, 444.

Microstructure

alloy steel

elevated temperature strength (Heger, Hodge, and Marshall), 1003.

Mortars

chemical-resistant

Report of Comm. C-3, 340.

efflorescence testing (Rogers). Published in ASTM BULLETIN, No. 200, Sept., 64 (TP190).

Report of Comm. C-12, 379.

volume change (Anderegg and Anderegg). Scheduled for publication in 1955 ASTM BULLETIN.

Motor Oil, see Oil, motor.

N

Naval Stores

Report of Comm. D-17, 513.

Nickel and Nickel Alloys

Report of Comm. B-2, 145.

Nickel Silver

mechanical properties (Gohn, Guerard, and Herbert), 229.

Non-Destructive Testing

correlation of Betatron (Norris). Published in ASTM BULLETIN, No. 197, Apr., 56 (TP84).

forging ingots (Hafemeister). Published in ASTM BULLETIN, No. 197, Apr., 52 (TP80).

Papers on Non-Destructive Testing. Published in ASTM BULLETIN, No. 196, Feb., No. 197, Apr., and No. 198, May; also available in special reprint:

betatron (Norris), Apr., 56 (TP84).

- flash X-ray studies (Criscuolo and O'Connor). Published in special reprint only.
- fluoroscopic inspection (Polansky and O'Connor). Published in special reprint only.
- gamma radiography and Magnaflux indications (Thompson), Apr., 58 (TP86).
- radiographic-performance in ordnance (O'Connor and Criscuolo). Published in special reprint only.
- radiographic-micrographic examination (Modine and O'Connor). Published in special reprint only.
- ultrasonic frequencies (Cook and VanValkenburg), May, 81 (TP127).
- ultrasonic reflectoscope (Tarr), Feb., 54 (TP62).
- ultrasonic testing of forging ingots (Hafemeister), Apr., 52 (TP80).
- steel connecting rods
- gamma ray and magnaflux (Thompson). Published in ASTM BULLETIN, No. 197, Apr., 58 (TP86).
- ultrasonic frequency (Cook and VanValkenburg). Published in ASTM BULLETIN, No. 198, May, 81 (TP127).
- X-ray in 2- and 6-million volts (Goldie, Wright, Anson, Cloud, and Trump). Published in ASTM BULLETIN, No. 201, Oct., 49 (TP211).
- Nylon
- creep-time relationship (Marin, Webber, and Weissmann), 1313. Disc., 1329.
- O**
- Odor
- Symposium on Odor. Summary of Proceedings of STP 164, 1383:
- control methods (Turk).
- definitions (Sagarin).
- hydrocarbon concentration measurements in industrial exhaust fumes (Ruff).
- pollution, official's viewpoint (Gruber).
- test room design, construction, and use (Deiningner and McKinley).
- three-component mixtures, organoleptic appraisal (Gee).
- Oil
- lubricating requirements in engines (Hamer, Tutwiler, and Weisel). Published in ASTM BULLETIN, No. 198, May, 70 (TP116). Disc., p. 76 (TP122).
- motor
- viscosity (Foreman), Disc. Published in ASTM BULLETIN, No. 200, Sept., 55 (TP181).
- Oxyquinolate
- magnesium oxide determination in cement (Bean and Tucker). Published in ASTM BULLETIN, No. 201, Oct., 62 (TP224).
- P**
- Packing
- Report of Comm. D-10, 479.
- Paint
- beaded traffic (Werthan). Published in ASTM BULLETIN, No. 202, Dec., 59 (TP245).
- chip resistance measurement (Brightwell). Published in ASTM BULLETIN, No. 200, Sept., 53 (TP179).
- hiding power test (Switzer). Published in ASTM BULLETIN, No. 197, Apr., 60 (TP88). Report of Comm. D-1, 396.
- safflower oil
- proposed specifications. Published in Jan., 1955, Compilation of ASTM Standards on Paint, Varnish, Lacquer, and Related Products.
- Paintbrushes
- sampling (Snyder, Lortscher, and Beatty). Published in ASTM BULLETIN, No. 197, Apr., 49 (TP77).
- Paper
- Report of Comm. D-6, 434.
- Report of Comm. D-9, 444.
- Paperboard
- Report of Comm. D-6, 434.
- Papers and Publications
- Report of Comm. on Papers and Publications, 85.
- Particle Size
- Report of Comm. E-1, 542.
- Paving Materials
- Report of Comm. D-4, 420.
- Petroleum
- hydrocarbons in C₂ fraction
- infrared spectrophotometry
- proposed method of test. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- jet fuels
- filterability
- proposed method of test. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- mercaptan sulfur
- proposed method of test. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- steam-turbine oils
- emulsion characteristics
- proposed method of test. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- reduced pressure distillation
- information on test method. Report of Comm. D-2, 416.
- Report of Comm. D-2, 403.
- temperature measurement
- proposed revision of method. Report of Comm. D-2, 411.
- Petroleum Products
- determination of water by distillation
- proposed specifications. Report of Comm. E-1, 554.
- distillation apparatus (Myers and Kiguchi). Published in ASTM BULLETIN, No. 195, Jan., 39 (TP1).

- pH Value
Report of Comm. E-1, 542.
- Pigments
Report of Comm. D-1, 396.
- Piles
Supplement to Symposium on Lateral Load Tests on Piles, *STP 154-A*, 1243: earth pressure and deflection (Mason and Bishop).
pressure deflection analysis (Palmer and Brown).
- Pipe
clay
Report of Comm. C-4, 342.
concrete
Report of Comm. C-13, 381.
- Pitch
Report of Comm. D-8, 440.
- Plastics
creep
effect of crystallinity, crazing, aging, and residual stress (Findley), 1307.
errors in measurement of dielectric constant (Field), 456.
high and low temperatures (Klute and McKee). Published in *ASTM BULLETIN*, No. 202, Dec., 50 (TP236).
impact machine (Burns). Published in *ASTM BULLETIN*, No. 195, Jan., 61 (TP23).
Report of Comm. D-9, 444.
Report of Comm. D-20, 529.
time-temperature relationship (Goldfein), 1344. Disc., 1352.
weathering (Yustein, Winans, and Stark). Published in *ASTM BULLETIN*, No. 196, Feb., p. 29 (TP37). Disc., 38 (TP46).
- Polishes
Report of Comm. D-21, 538.
- Polycrystalline Metals
fatigue failure criterion (Stulen and Cummings), 822. (R).
- Porcelain Enamels
Report of Comm. C-22, 394.
- Pozzolan
fly ash admixture in concrete (Minnick), 1129. (R) Disc., 1159.
- Preservatives
wood
Report of Comm. D-7, 437.
- President's Talk
additives (Beard). Published in *ASTM BULLETIN*, No. 198, May, 51 (TP97).
annual address (Beard), 33.
- Printing Ink
Report of Comm. D-1, 396.
- Proposed Methods
adhesives
bonded specimens
deflection. Published in Sept., 1954, Compilation of ASTM Standards on Adhesives.
susceptibility to attack by rats. Published in Sept., 1954, Compilation of ASTM Standards on Adhesives.
susceptibility to attack by roaches. Published in Sept., 1954, Compilation of ASTM Standards on Adhesives.
aromatic hydrocarbons
bromine index. Report of Comm. D-16, 510.
- aviation fuels
dielectric constant. Published in Feb., 1955, Compilation of ASTM Standards on Electrical Insulating Materials.
- cement mortar
compressive strength
mechanical mixing. Published in *ASTM BULLETIN*, No. 196, Feb., 24.
- cotton
dyeing behavior. Published in Oct., 1954, Compilation of ASTM Standards on Textile Materials.
- paint
safflower oil. Published in Jan., 1955, Compilation of ASTM Standards on Paint, Varnish, Lacquer, and Related Products.
- petroleum
determination of water by distillation. Report of Comm. E-1, 554.
hydrocarbons in C_4 fraction
infrared spectrophotometry. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- jet fuels
filterability. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
mercaptan sulfur. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- steam-turbine oils
emulsion characteristics. Published in Nov., 1954, Compilation of ASTM Standards on Petroleum Products and Lubricants.
- water
evaporative industry. Published in Sept., 1954, printing of Manual on Industrial Water.
industrial wastes
toxicity to fishes. Published in 1954 Supplement to Book of ASTM Standards, Part 7, and in Sept., 1954, printing of Manual on Industrial Water.
- wax polishes
additives. Published in *ASTM BULLETIN*, No. 197, Apr., 38.
dynamic coefficient of friction. Published in *ASTM BULLETIN*, No. 196, Feb., 21.
index of refraction. Published in *ASTM BULLETIN*, No. 197, Apr., 39.
static coefficient of friction. Published in *ASTM BULLETIN*, No. 196, Feb., 20.
- Prot Method
fatigue testing (Corten, Dimoff, and Dolan), 875. (R) Disc., 895.

Q

- Quality Control
interpretation of engineering data (Dodge),
603. (R).
Report of Comm. E-11, 599.

R

- Radioactive Isotopes
Report of Comm. E-10, 598.
- Radiography
betatron (Norris). Published in ASTM BULLETIN, No. 197, Apr., 56 (TP84).
steel connecting rods
gamma ray and magnaflux (Thompson).
Published in ASTM BULLETIN, No. 197, Apr., 58 (TP86).
X-rays in 2- and 6-million volts (Goldie, Wright, Anson, Cloud, and Trump). Published in ASTM BULLETIN, No. 201, Oct., 49 (TP211).
- Rayon
Report of Comm. D-13, 493.
- Reflectance
deretency of fabrics (Diaz, Paitchel, and Woodhead). Published in ASTM BULLETIN, No. 202, Dec., 56 (TP242).
- Reflectoscope Inspection
seam welds (Tarr). Published in ASTM BULLETIN, No. 196, Feb., p. 54 (TP62). Disc., 60 (TP68).
- Refractories
Report of Comm. C-8, 344.
- Research
Report of Comm. on Research, 83.
- Richart Award
Summary of Proceedings of the Fifty-seventh Annual Meeting, 9.
- Road Materials
Report of Comm. D-18, 517.
Report of Comm. D-4, 420.
- Roofing Materials
Report of Comm. D-8, 440.
- Rope, Manila
Becker value by photoelectric reflectometry (Newman, Hammond, and Riddell). Published in ASTM BULLETIN, No. 199, July, 84 (TP162).
- Rosin
Report of Comm. D-17, 513.
- Rubber
errors in measurement of dielectric constant (Field), 456.
Gehman stiffness (Sinclair and Griffis). Published in ASTM BULLETIN, No. 200, Sept., 56 (TP182).
Report of Comm. D-11, 481.
synthetic
Report of Comm. D-11, 481.
vulcanizates
effect of temperature (Juve and Schoch). Published in ASTM BULLETIN, No. 195, Jan., 54 (TP16).
- Rupture
aluminum
under static and fatigue stress (DeMoney and Lazan), 769. Disc., 783.

S

- Salt Spray Test
electrodeposited coatings
Report of Comm. B-8, 299.
Report of Comm. B-3, 147.
- Sample Procedure
paintbrushes (Snyder, Lortscher, and Beatty).
Published in ASTM BULLETIN, No. 197, Apr., 49 (TP77).
- Sandwich Construction
tester for analysis of stress (Ericksen). Published in ASTM BULLETIN, No. 199, July, 80 (TP158).
- Sands
strength and deformation characteristics (Seed and Lundgren), 1288.
- Shellac
Report of Comm. D-1, 396.
- Shipping Containers
Report of Comm. D-10, 479.
- Siding Materials
Report of Comm. D-8, 440.
- Significance of Tests
concrete
fly ash admixture (Minnick), 1129. (R) Disc., 1159.
Significance of Tests on Concrete. Summary of Proceedings of STP 169, 1242:
admixtures
air-entrained (Wuerpel).
mineral properties (Meisner).
mixing and curing (McCoy).
petrographic examination of aggregate (Mielenz). (Also included in these 1954 Proceedings, 1188. (R))
setting time (Scripture).
- Soaps
Report of Comm. D-12, 490.
- Soils
cohesionless
in-place density (Griffin), 1270.
Report of Comm. D-18, 517.
sand
strength and deformation characteristics (Seed and Lundgren), 1288.
Symposium on Permeability of Soils. Summary of Proceedings of STP 163, 1244:
fine-grained soils (Lambe).
ground-water investigations (Smith and Stallman)
hydraulic conductivity (Kirkham).
low-head permeameter (Yemington).
principles of testing (Burmister).
sand and sand-gravel (Jones).
sands (Chu, Davidson, and Wickstrom).
selected references (Johnson).
water movement (Winterkorn).
- Solder
Report of Comm. B-2, 145.
- Speed of Testing
Report of Comm. E-1, 542.
- Standardization
Report of Comm. on Standards, 76.

Statistical Analysis

application of statistical techniques (Bicking).
Published in ASTM BULLETIN, No. 200,
Sept., 48. (TP174).

concrete

cylinder, modified cube, beam strength
(Kesler), 1178. Disc., 1186.

creep-rupture properties

heat resistant alloys (Rush and Freeman),
1098. Disc., 1123.

fatigue curves (Schuette), 853. Disc., 865.

interpretation of engineering data (Dodge),
603. (R).

Report of Comm. E-11, 599.

Steel

alloy

elevated-temperature strength
microstructure effect (Heger, Hodge, and
Marshall), 1003.

fatigue properties (Goldberg and Lom-
bardo), 325.

Report of Joint Comm. on Effect of Tem-
perature, 321.

corrosion

Report of Comm. A-5, 106.

corrosion-resisting

Report of Comm. A-10, 130.

notch-bar test (Raring and Rinebolt), 956.
Disc., 963.

notched bar test

specimen size effect (Schwartzbart and
Sheehan), 939. (R) Disc., 952.

Report of Comm. A-1, 91, 97.

stainless

electrolytic etching. Published in ASTM
BULLETIN, No. 195, Jan. (Streicher),
63 (TP25); (Beck, Greene, and Fontana),
68 (TP30); (Jackson and Luce), 71
(TP33).

welding rods specifications. Published in
ASTM BULLETIN, No. 198, May, 77
(TP123).

strength at elevated temperatures (Miller),
964. Disc., 987.

tension and creep-rupture (Smith and Seens),
1028.

tension test

size effect (Richards), 995. Disc., 1001.

Stiffness

improved scale system (LaTour and
Sutton). Published in ASTM BULLETIN,
No. 196, Feb., 40 (TP48).

rubber (Sinclair and Griffis). Published in
ASTM BULLETIN, No. 200, Sept., 56
(TP182).

Strain Gage

testing techniques (Tatnall). Published in
ASTM BULLETIN, No. 199, July, 62
(TP140).

Stress Analysis

sandwich proof tester (Eriksen). Published
in ASTM BULLETIN, No. 199, July, 80
(TP158).

Stress-Strain Relations

triaxial testing machine (Wiseman and Marin),
1365. Disc., 1382.

Surface Waves

ultrasonic frequencies (Cook and VanValken-
burg). Published in ASTM BULLETIN, No.
198, May, 81, (TP127).

T

Tar

Report of Comm. D-4, 420.

Report of Comm. D-8, 440.

Temperature Effect

air aging of rubber vulcanizates (Juve and
Schoch). Published in ASTM BULLETIN,
No. 195, Jan., 54 (TP16).

fatigue

high-temperature sheet materials (Gold-
berg and Lombardo), 325.

metals at elevated temperatures

cyclic heating and stressing

Symposium on Effect of Cyclic Heating
and Stressing on Metals at Elevated
Temperatures. Summary of Proceed-
ings of STP 165, 700:

aircraft sheet alloys (Guarnieri).

constant and cyclic-load creep tests
(Simmons and Cross).

creep (Dorn and Shepard).

creep rupture of steels (Smith and Hous-
ton).

cyclic overloads (Caughey and Hoyt).
fatigue (Coffin).

rupture strength (Miller).

scaling of Fe-Cr-Ni alloys (Eiselstein
and Skinner).

plastics

rupture stresses (Goldfein), 1344. Disc.,
1352.

Report of Comm. B-4, 160.

Report of Joint Comm. on Effect of Tem-
perature, 321.

refractaloy-26

fatigue notch sensitivity (Toolin), 786. (R)
Disc., 797.

Temperature, Elevated

carbon steels (Miller), 964. Disc., 987.

Temperature Measurement

Mooney viscometer (Decker and Stiehler).
Published in ASTM BULLETIN, No. 195,
Jan., 45 (TP7). (Decker), No. 195,
Jan., 51 (TP13).

petroleum

proposed revision of method

Report of Comm. D-2, 411.

Templin Award

Summary of Proceedings of the Fifty-seventh
Annual Meeting, 21.

Tension

creep-time relationship for nylon (Marin,
Webber, and Weissmann), 1313. Disc., 1329.

hardened 1040, 4340, and Ni-Cr-Mo-V steels
(Smith and Seens), 1028.

impact test

sheet metals (Muhlenbruch). Published in
ASTM BULLETIN, No. 196, Feb., 43
(TP51). Disc., p. 49 (TP57).

- magnesium wrought alloys
elevated-temperature properties (Baker), 1068.
- sand-casting alloys
elevated-temperature properties (Nelson), 1081.
- steel
size effect (Richards), 995. Disc., 1001.
- test specimens
in testing machine (Krenchel). Published in ASTM BULLETIN, No. 200, Sept., 44 (TP170).
made by photoengraving technique (Dowdell and Mackay). Published in ASTM BULLETIN, No. 201, Oct., 65 (TP227).
- Test Sites
atmospheric
Report of Advisory Comm. on Corrosion, 314.
- Testing
atmospheric exposure
Report of Comm. A-5, 123.
- Testing Machines
bonded-wire strain gage (Tatnall). Published in ASTM BULLETIN, No. 199, July, 62 (TP140).
constant-load (Clark and Sidebottom). Published in ASTM BULLETIN, No. 203, Jan., 1955, 69 (TP29).
- fatigue
range of stress (Romualdi, Chang, and Peck). Published in ASTM BULLETIN, No. 200, Sept., p. 39 (TP165).
- flexural
repeated loads (Roesli, Loewer, and Eney). Published in ASTM BULLETIN, No. 196, Feb., 50 (TP58).
- four piece steamer (Antelman). Published in ASTM BULLETIN, No. 197, Apr., 66 (TP94).
- impact for textiles (Dickson and Davieau). Published in ASTM BULLETIN, No. 198, May, 85 (TP131).
- Report of Comm. E-1, 542.
- sandwich proof tester
analysis of stress (Ericksen). Published in ASTM BULLETIN, No. 199, July, 80 (TP128).
- stiffness
improved scale system (LaTour and Sutton). Published in ASTM BULLETIN, No. 196, Feb., 40 (TP48).
- tension test specimens (Krenchel). Published in ASTM BULLETIN, No. 200, Sept., 44 (TP170).
- triaxial stress
plastic stress-strain relations (Wiseman and Marin), 1365. Disc., 1382.
- vacuum distillations (Myers and Kiguchi). Published in ASTM BULLETIN, No. 195, Jan., 39 (TP1).
- Testing Methods
determination of water by distillation
proposed specifications. Report of Comm. E-1, 554.
Report of Comm. E-1, 542.
- Textiles
cotton
dyeing behavior
proposed method of test. Published in Oct., 1954, Compilation of ASTM Standards on Textile Materials.
- impact tester (Dickson and Davieau). Published in ASTM BULLETIN, No. 198, May, 85 (TP131).
- Report of Comm. D-13, 493, 496.
- Thermal Insulating Materials
Report of Comm. C-16, 389.
- temperature measurement
Mooney viscometer (Decker and Stiehler). Published in ASTM BULLETIN, No. 195, Jan., 45 (TP7). (Decker), No. 195, Jan., 51 (TP13).
- Thermal Shock
effect
durability of asphalt coatings. Disc. Published in ASTM BULLETIN, No. 199, July 60 (TP138).
- Thermometers
electrical resistance
temperature measurement of petroleum
proposed revision of method. Report of Comm. D-2, 411.
Report of Comm. E-1, 542.
- Tile
clay
moisture expansion (McBurney), 1219. (R) Disc., 1239.
Report of Comm. C-15, 387.
- drain
Report of Comm. C-15, 387.
- Timber
Report of Comm. D-7, 437.
- Swedish fir
compressive strength and rate of shear (Norén). Published in ASTM BULLETIN, No. 202, Dec., 43 (TP229).
- Tin
Report of Comm. B-2, 145.
- Titanium
fatigue (Romualdi and D'Appolonia), 798. (R) Disc., 816.
Report of Comm. B-2, 145.
- Torsion
creep-time relationship for nylon (Marin, Webber, and Weissmann), 1313. Disc., 1329.
- Tour Award
Summary of Proceedings of the Fifty-seventh Annual Meeting, 22.
- Transformer Oil
Report of Comm. D-9, 444.
- U
- Ultrasonic Testing
bonded materials (Baumeister). Published in ASTM BULLETIN, No. 204, Feb., 1955, 50 (TP52).
- forging ingots (Hafemeister). Published in ASTM BULLETIN, No. 197, Apr., 52 (TP80).

V

- Vapor Barriers
 - Report of Comm. C-16, 389.
- Varnish
 - Report of Comm. D-1, 396.
- Viscosity
 - measurement
 - thermosetting resins (Marshall). Published in ASTM BULLETIN, No. 204, Feb., 1955, 40 (TP42).
 - motor oil (Foreman). Disc. Published in ASTM BULLETIN, No. 200, Sept., 55 (TP181).

W

- Water
 - boiler feedwater
 - Report of Comm. D-19, 520.
 - determination by distillation
 - proposed specifications. Report of Comm. E-1, 554.
 - evaporative industry
 - abbreviated methods for analysis. Published in Sept., 1954, printing of Manual on Industrial Water.
 - industrial
 - Report of Comm. D-19, 520.
 - testing methods. Report of Comm. D-19, 527.
 - industrial wastes
 - toxicity to fishes
 - proposed method of test. Published in 1954 Supplement to Book of ASTM Standards, Part 7, and in Sept., 1954, printing of Manual on Industrial Water.
- Waterproofing
 - Report of Comm. D-8, 440.
- Wax
 - Report of Comm. D-21, 538.
- Wax Polishes
 - additives
 - proposed methods. Published in ASTM BULLETIN, No. 197, Apr., 38.
 - dynamic coefficient of friction
 - proposed methods. Published in ASTM BULLETIN, No. 196, Feb., 21.

- index of refraction
 - proposed methods. Published in ASTM BULLETIN, No. 197, Apr., 39.
- static coefficient of friction
 - proposed methods. Published in ASTM BULLETIN, No. 196, Feb., 20.

Wear

- bearings (Junge). Published in ASTM BULLETIN, No. 198, May, 64 (TP110).
- engine
 - lubricant effect (Mougey). Published in ASTM BULLETIN, No. 198, May, 57 (TP103).

Weathering

- plastics (Yustein, Winans, and Stark). Published in ASTM BULLETIN, No. 196, Feb., 29 (TP37). Disc., 38 (TP46).
- Report of Comm. B-3, 147.

Welding Rods

- stainless steel specifications. Published in ASTM BULLETIN, No. 98, May, 77 (TP123).

Welds

- ultrasonic reflectoscope inspection (Tarr). Published in ASTM BULLETIN, No. 196, Feb., 54 (TP62). Disc., 60 (TP68).

Whiteware

- ceramic
 - Report of Comm. C-21, 392.

Wire

- Report of Comm. A-5, 123.
- Report of Comm. B-1, 138.

Wood

- Report of Comm. D-7, 437.
- Swedish fir
 - compressive strength and rate of shear (Norén). Published in ASTM BULLETIN, No. 202, Dec., 43 (TP229).

Wool

- Report of Comm. D-13, 493.

X

X-Ray Testing

- correlation of Betatron (Norris). Published in ASTM BULLETIN, No. 197, Apr., 56 (TP84).

Z

Zirconium

- creep properties (Manjoine and Mudge), 1050

TM

TM

LLE-

l in
57

Pub-
Feb.,

l in
(23).

arr).
196,

hear
TIN,

d in
(84).

1050